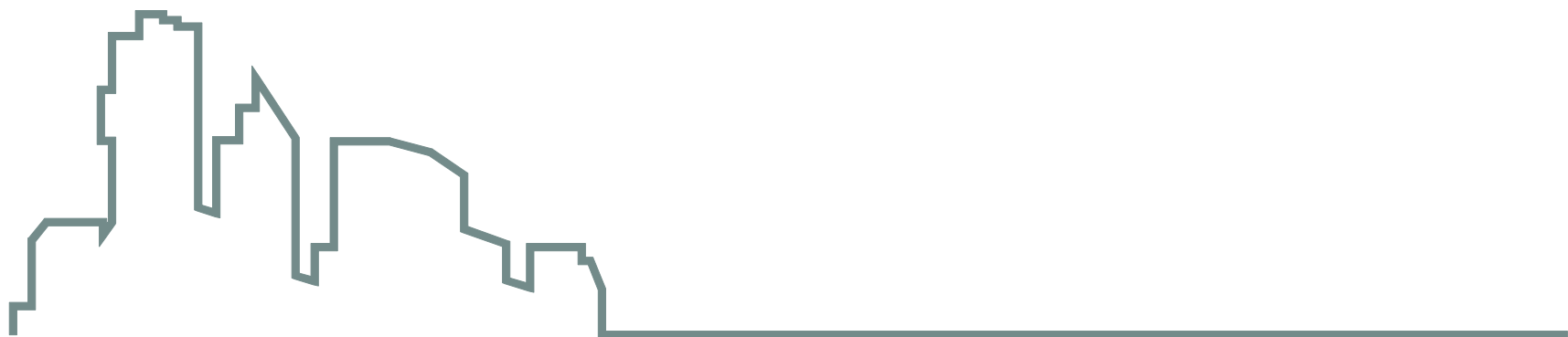




Adrian Joyce

Renovate Europe Campaign Director



RENOVATE EUROPE

www.renovate-europe.eu

A Political Communications Campaign

Adrian M Joyce
Campaign Director

The Renovate Europe Campaign

23 Partner Companies and Associations in 2012:



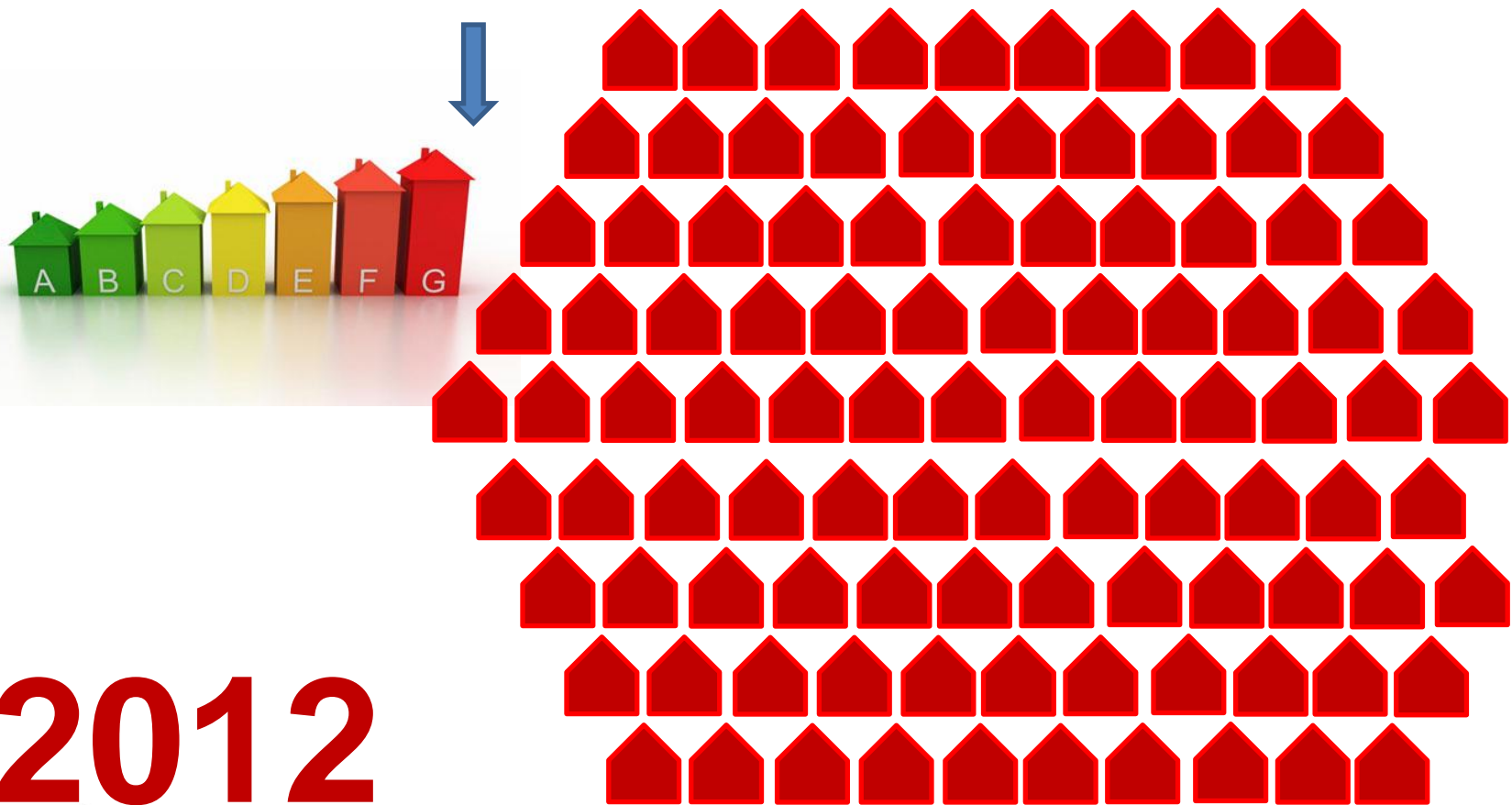
Objective:

Reduce the **Energy Demand
of Europe's Existing Building Stock
by
80% by 2050
as Compared to 2005 Levels**

What Will This Look Like?

Reduce Energy Demand by 80%

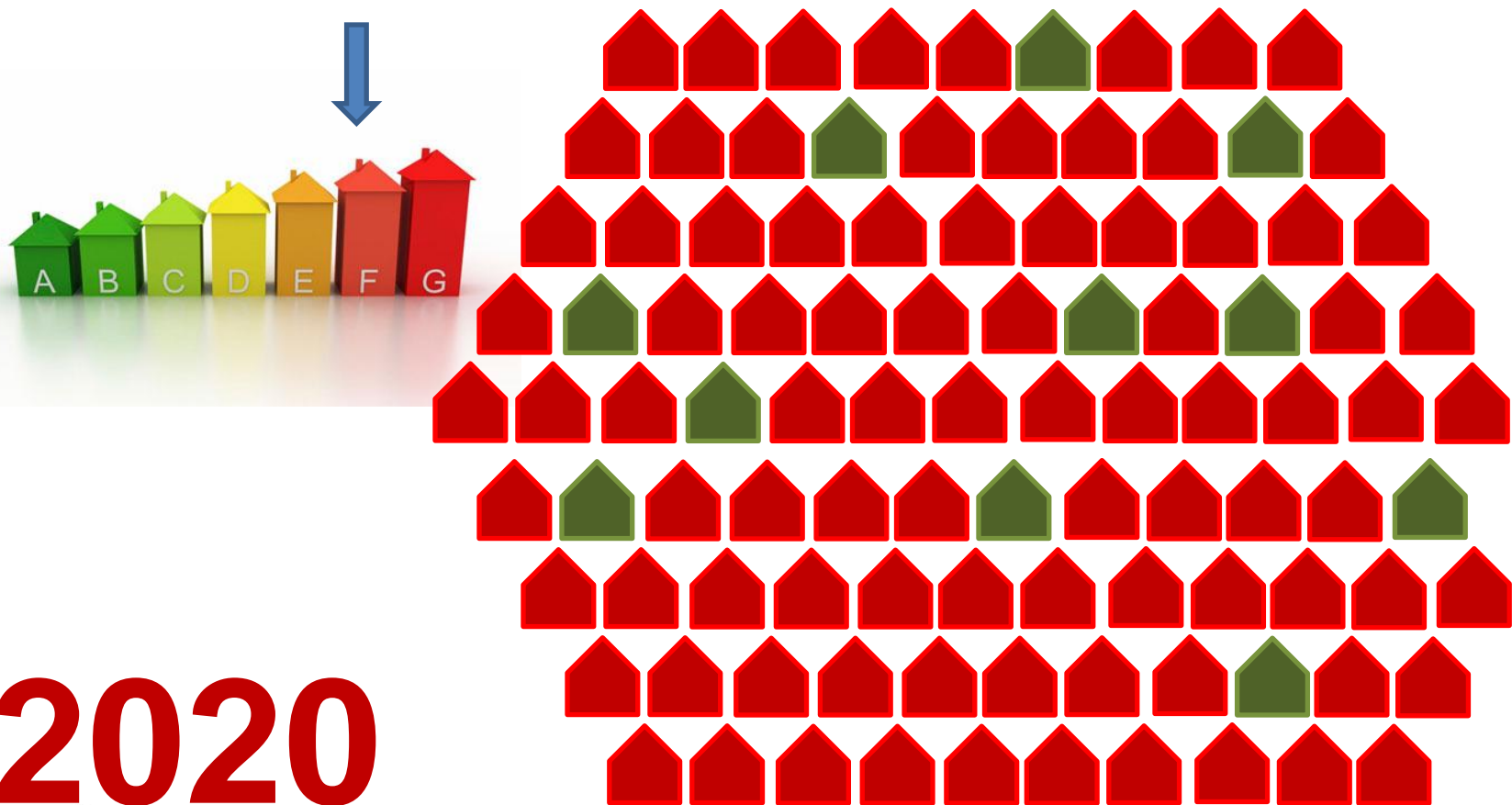
300 kWh/m²/year



2012

Reduce Energy Demand by 80%

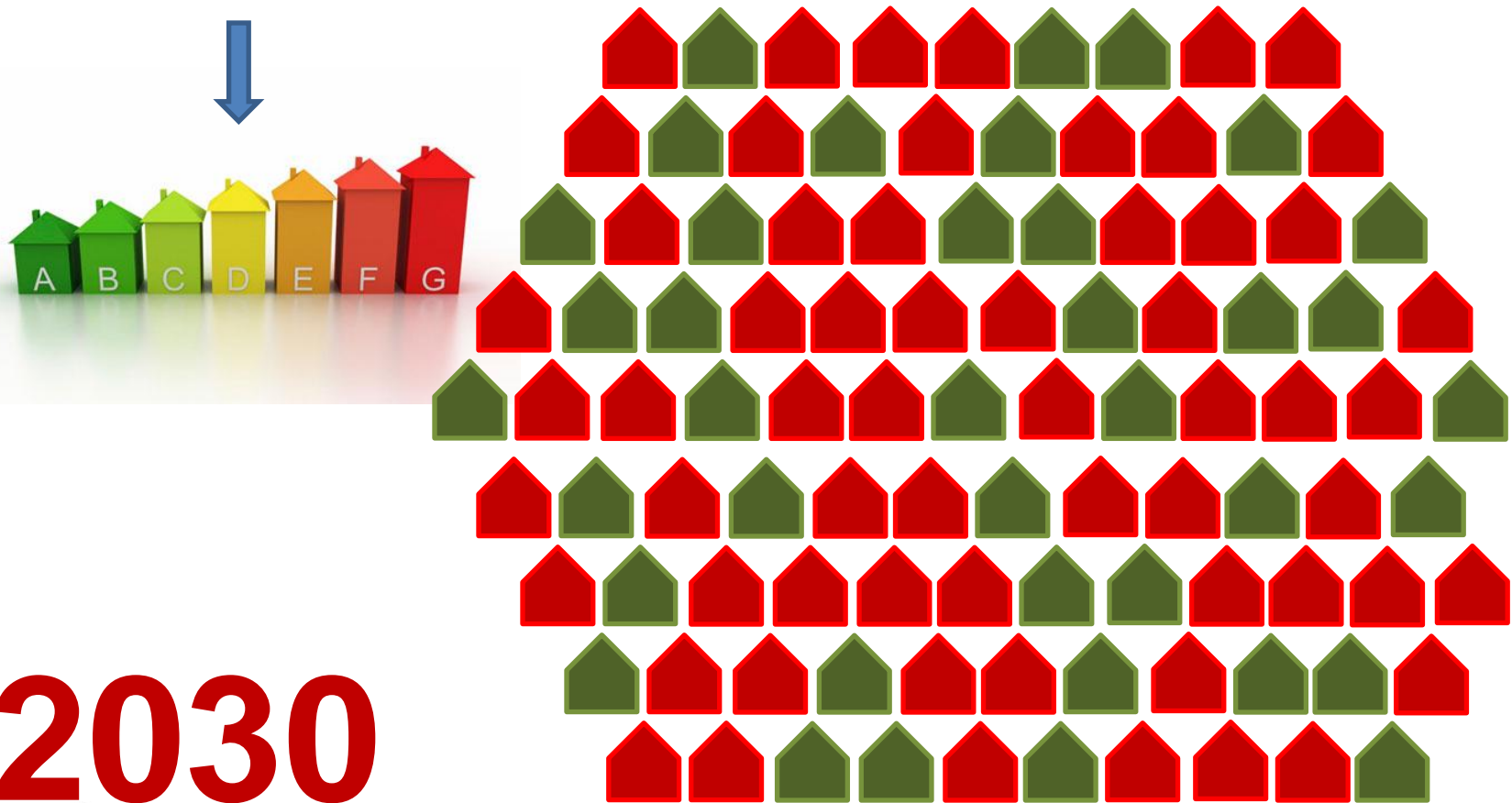
240 kWh/m²/year



2020

Reduce Energy Demand by 80%

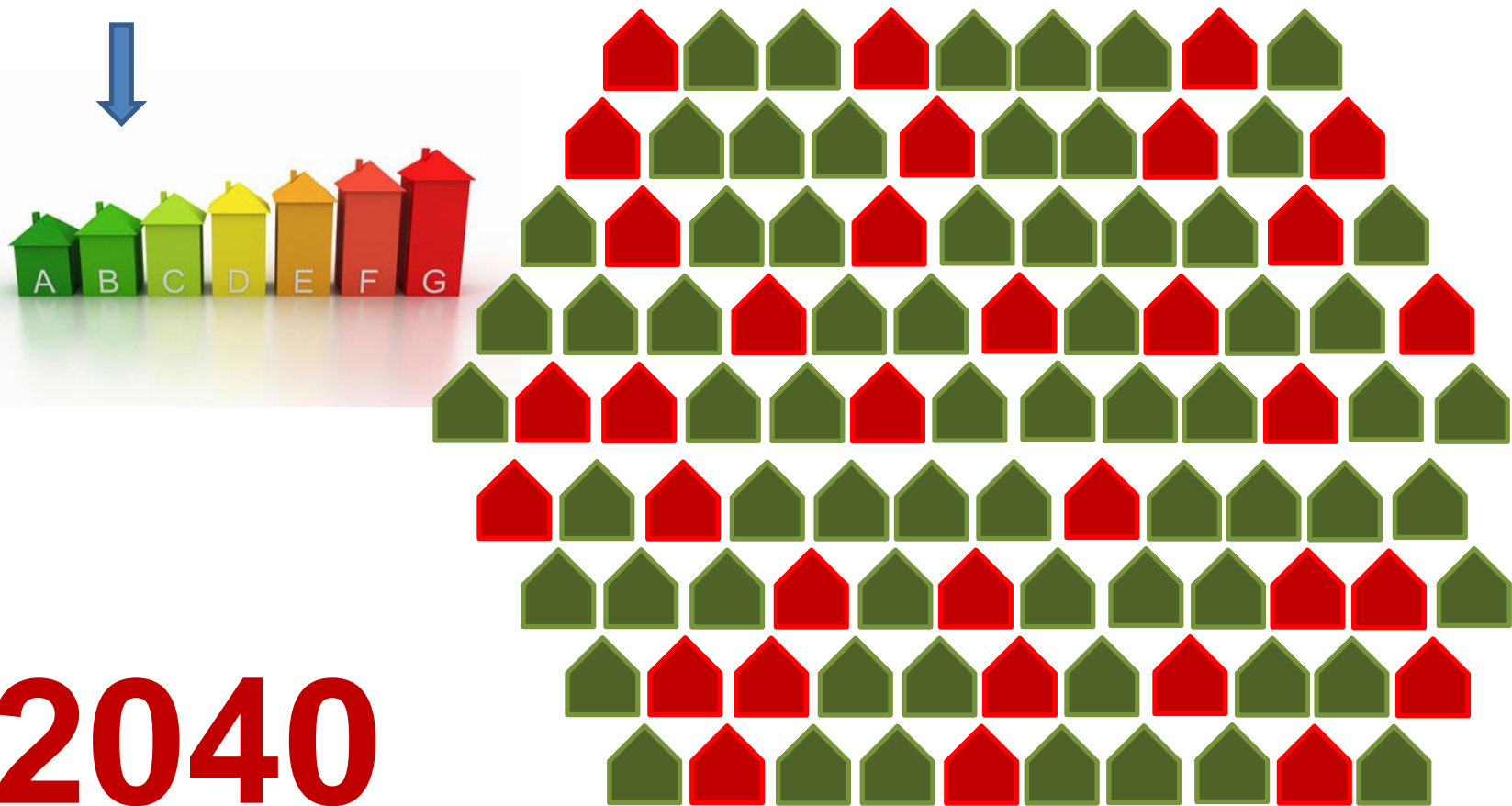
180 kWh/m²/year



2030

Reduce Energy Demand by 80%

120 kWh/m²/year



2040

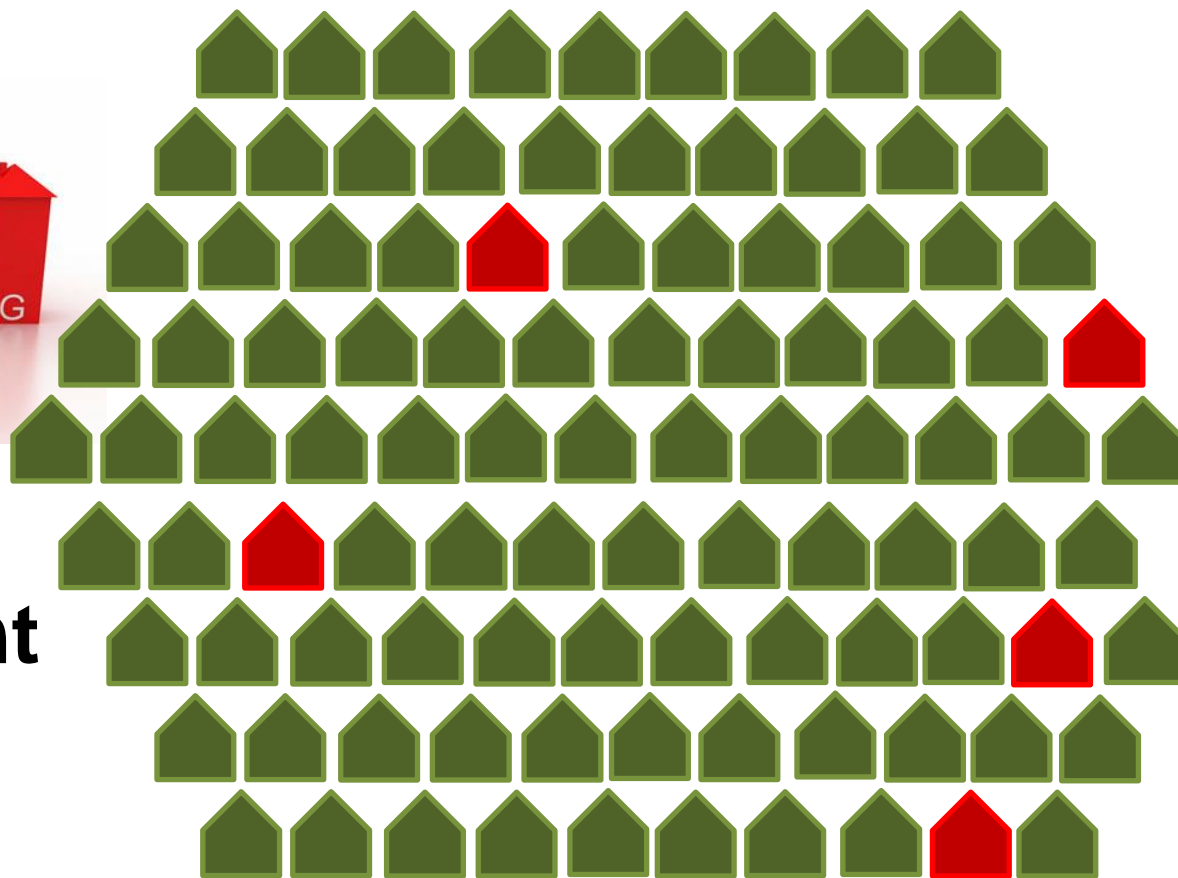
Success!

60 kWh/m²/year



A Factor 5
Improvement

2050



What About CO₂ Emissions?

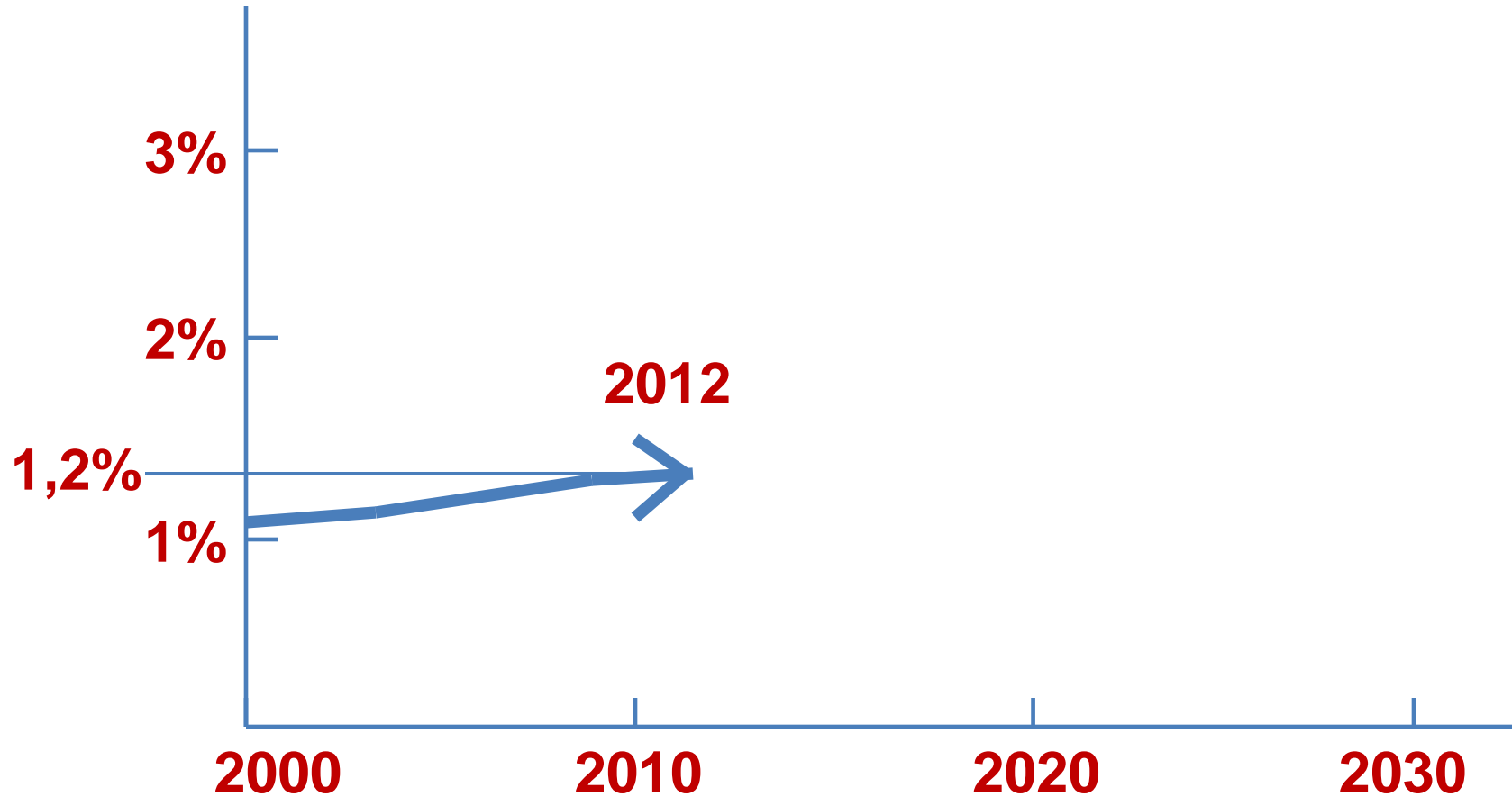
**Volume of
Emissions in 2012**

**Volume of
Emissions in 2050**

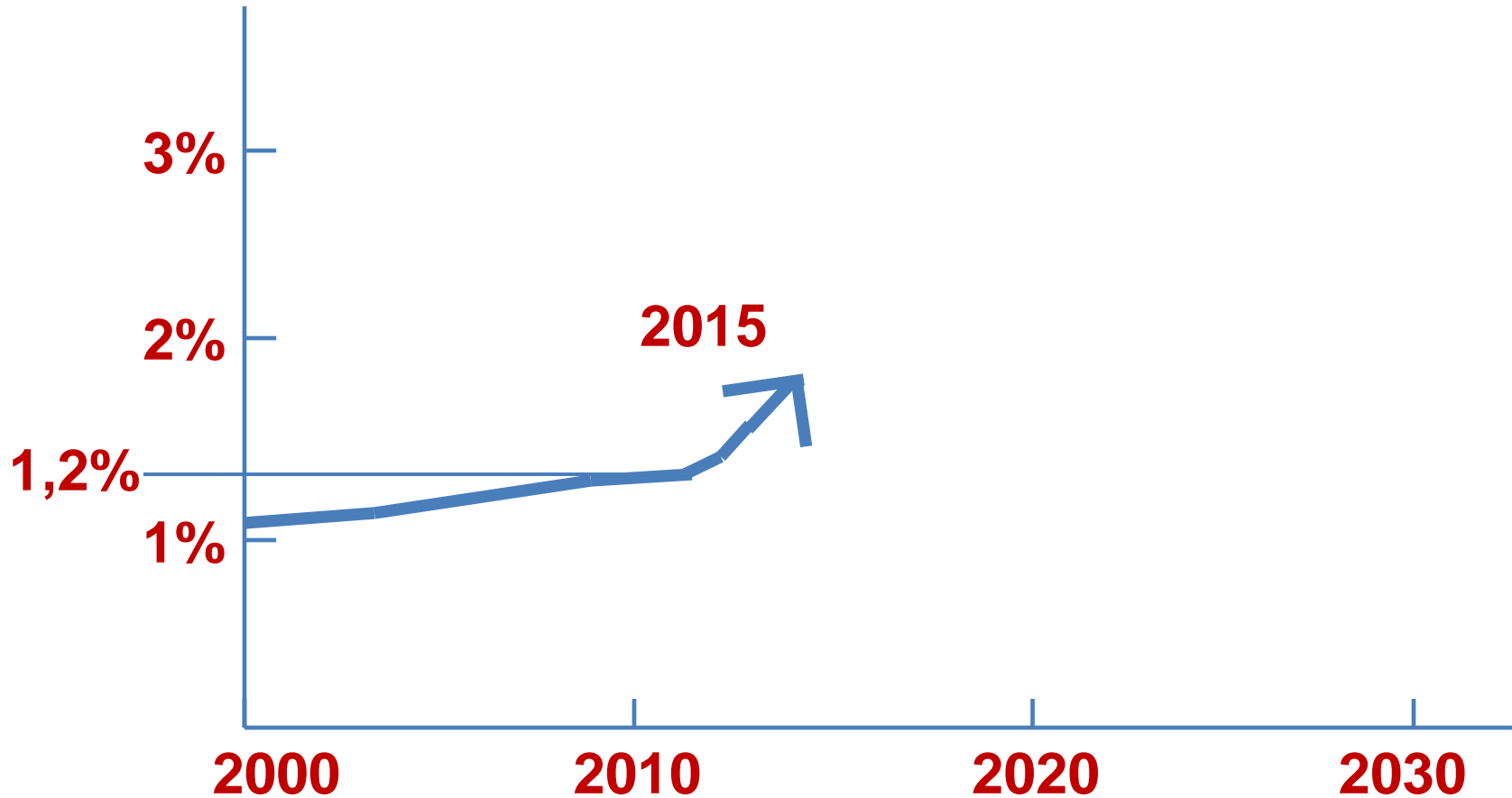


What Rate of Renovation?

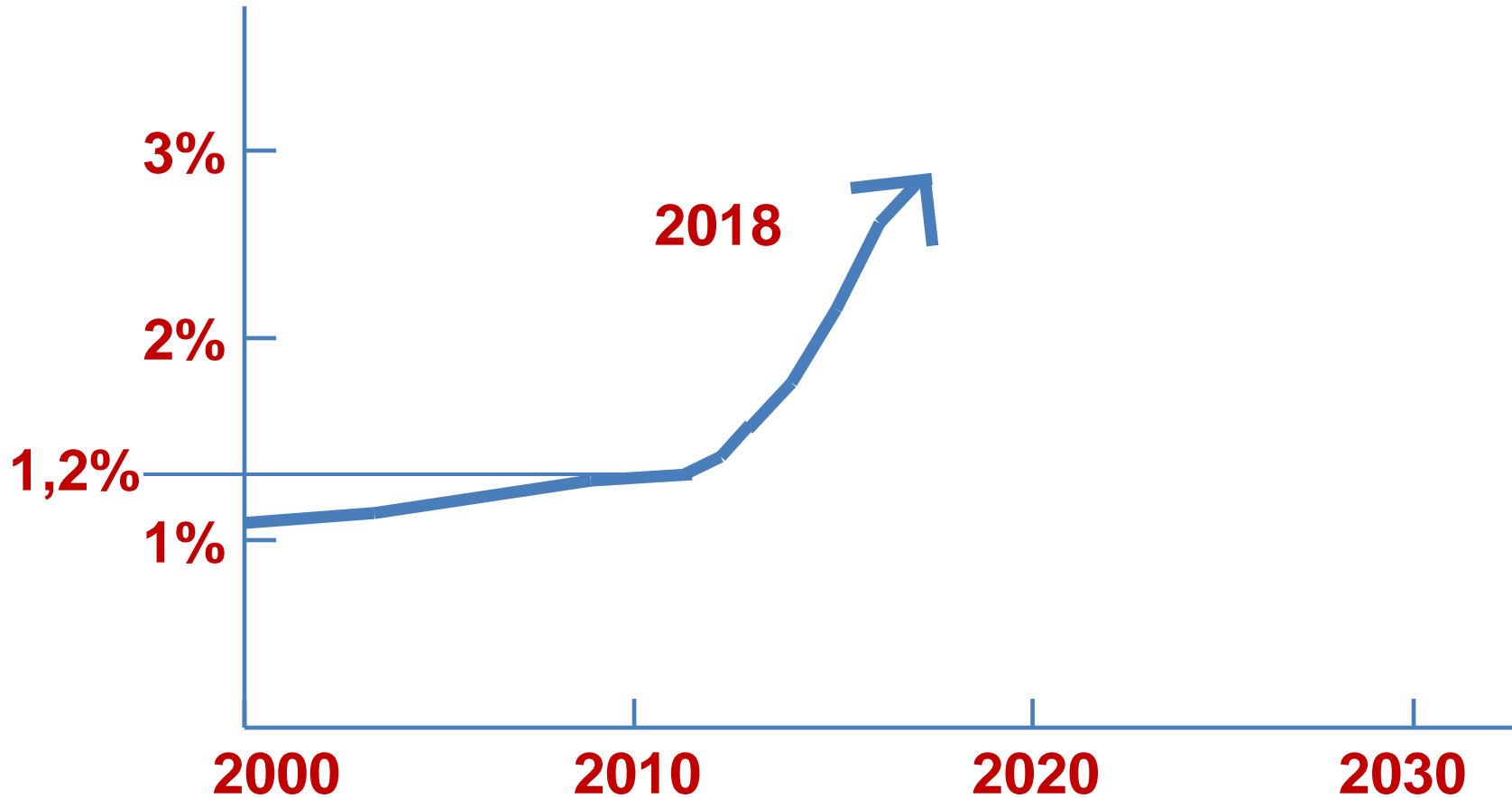
Current Rate



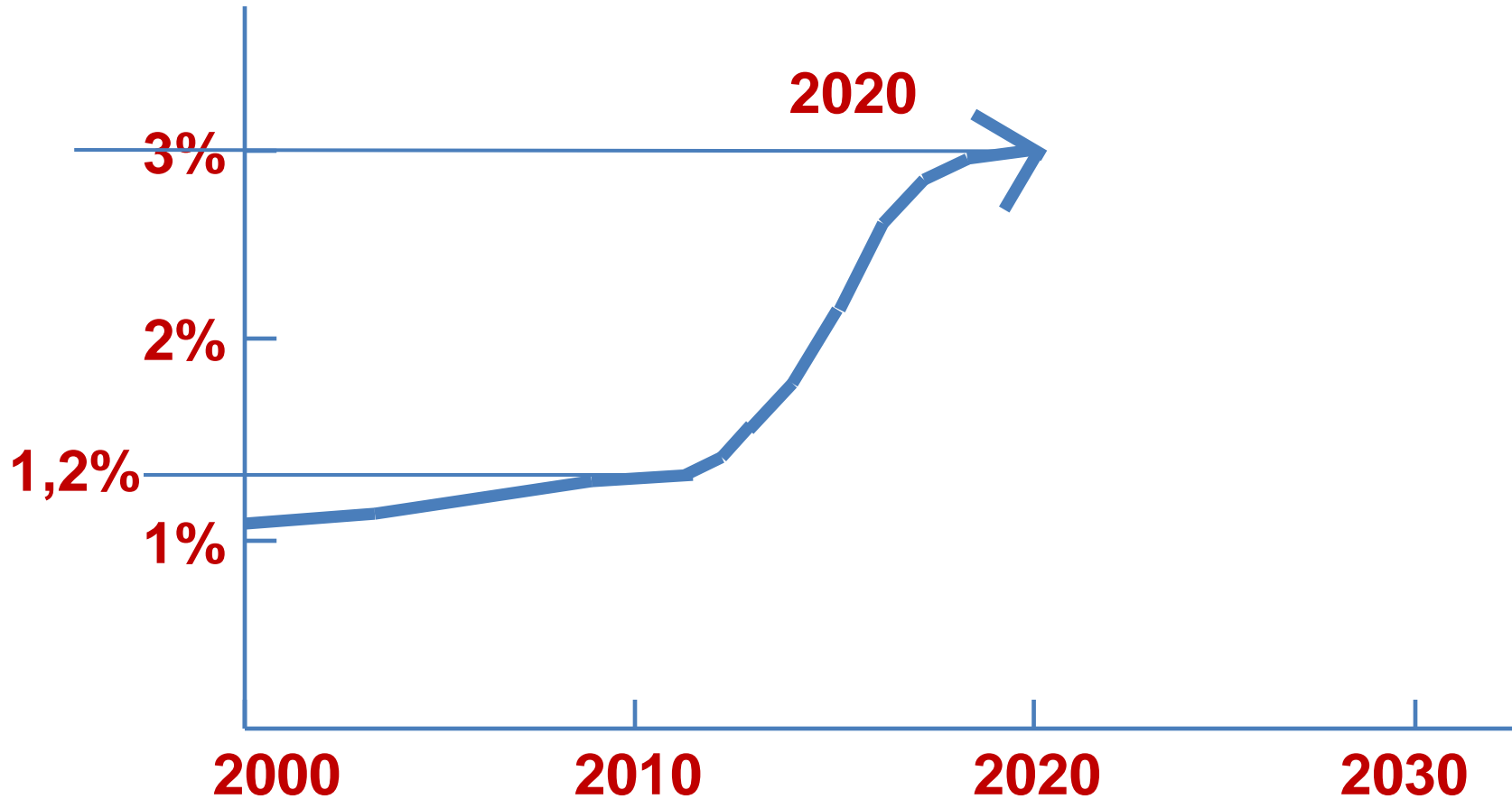
Increasing Rate



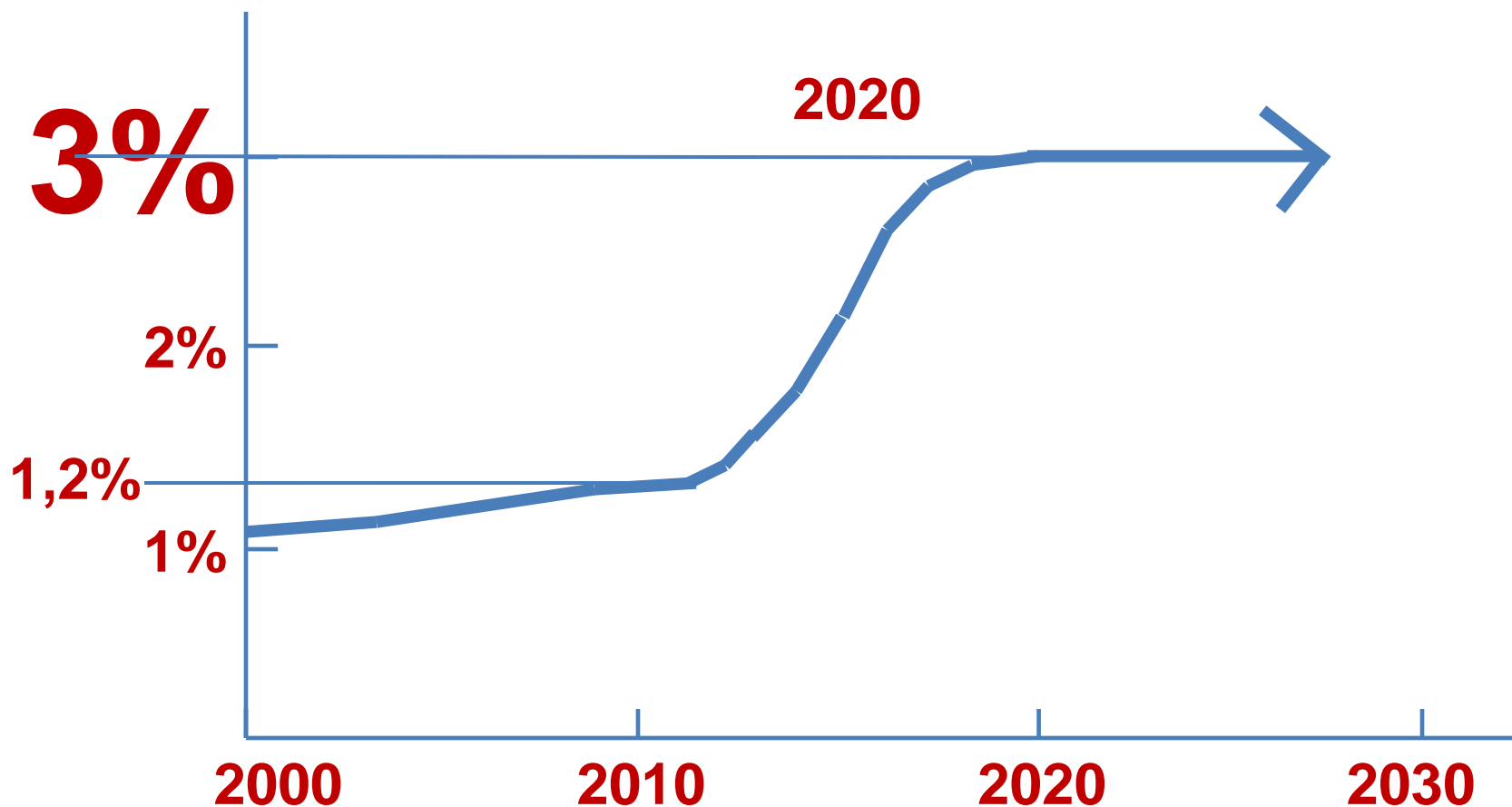
Increasing Rate



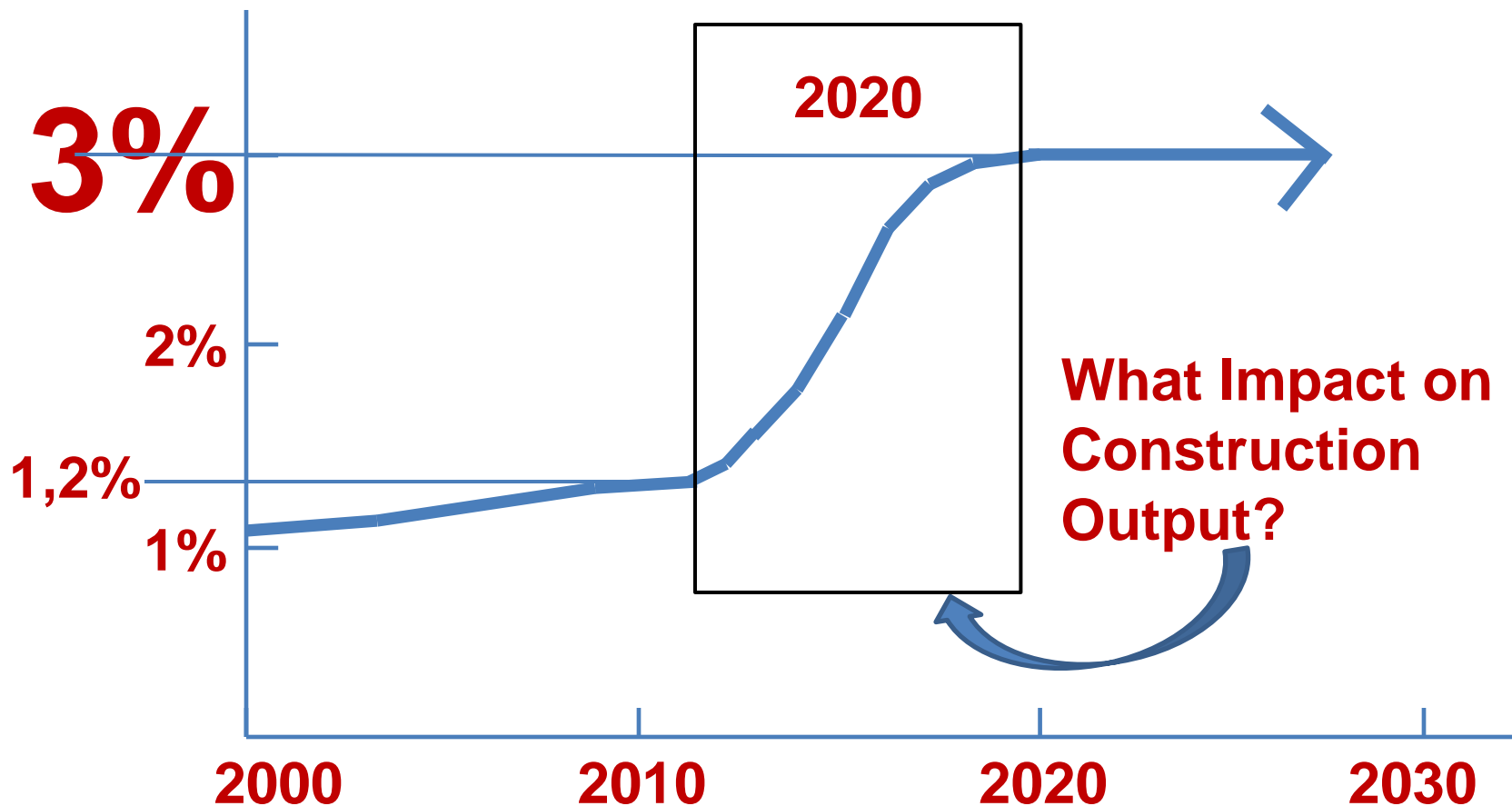
Target Rate



Future Rate



Future Rate



Up to
€830 billion
Per Year
At 2011 Prices

**Current Annual Output for
Renovation and Modernisation is:**

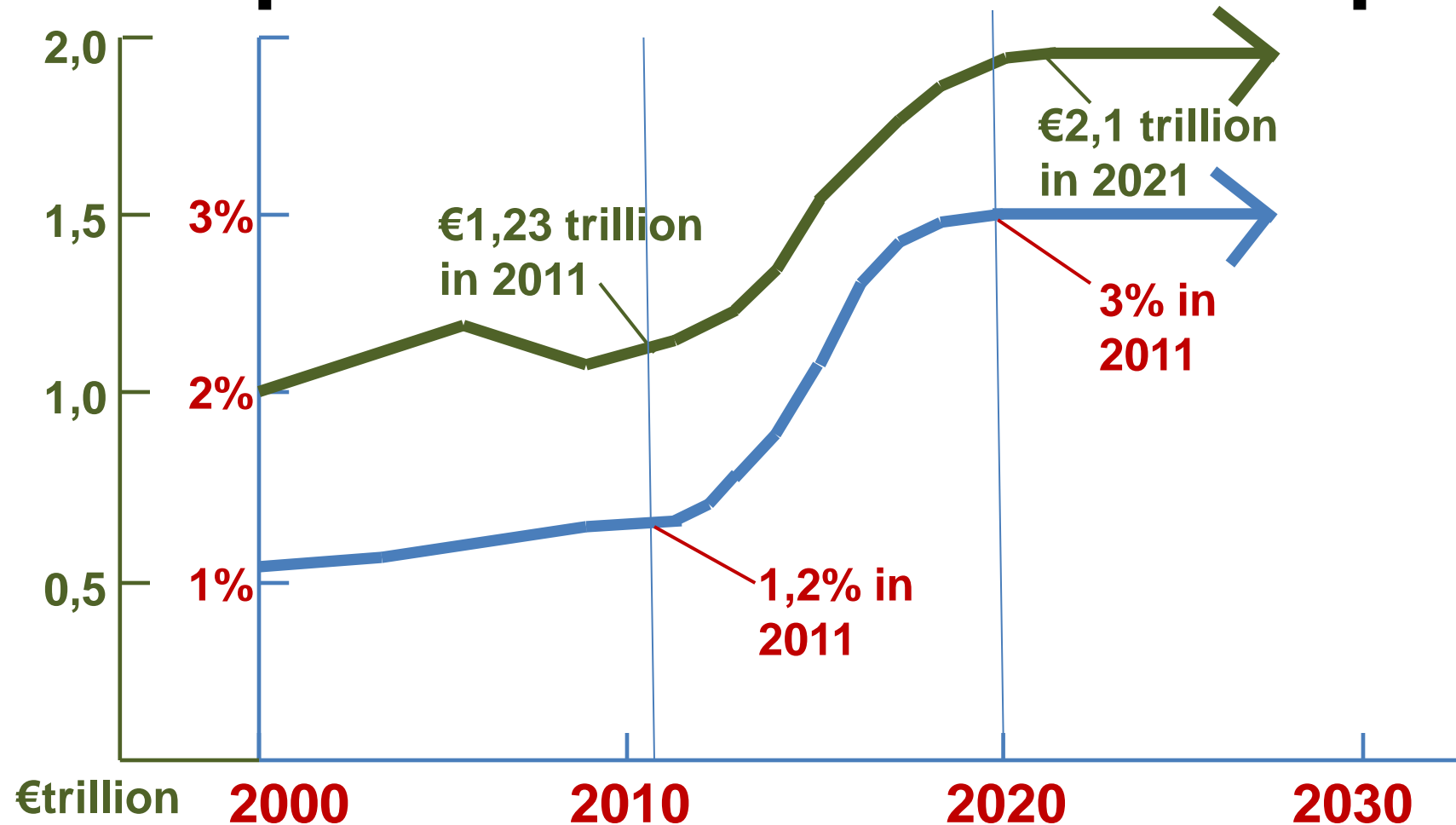
€450 billion

**Necessary Increase is Factor 2.5
Therefore we Reach:**

€830 billion additional annual output

All other factors being equal!

Impact on Construction Output



What About Jobs?

Up To
1,1 Million
Direct Jobs Per Year
In the Construction Sector

With Up To
2 Million
Jobs In Total Per Year

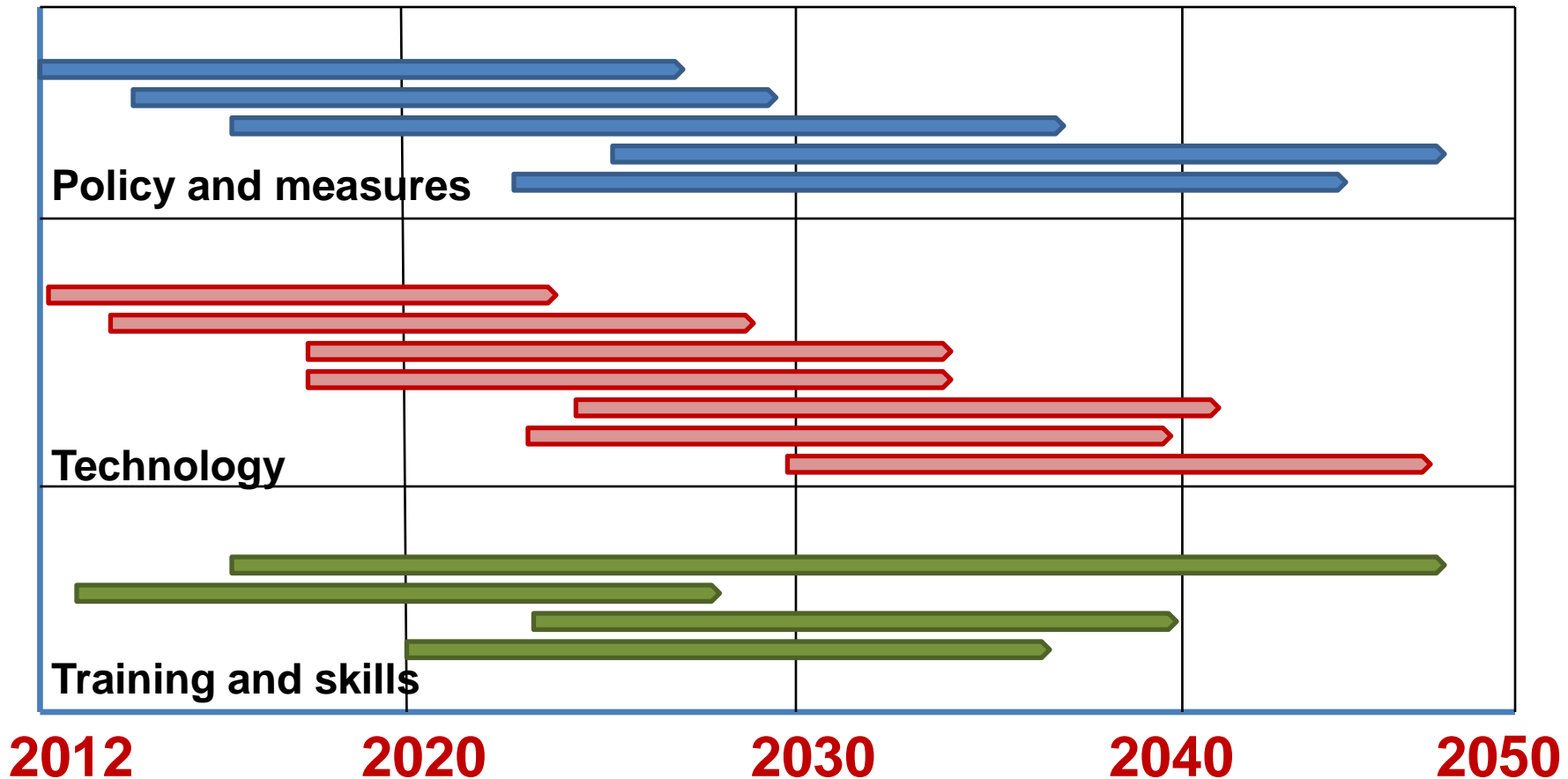
What Should Be Done First?

Create A Roadmap to 2050

Interim Targets:



Final Target:



Is It Possible?

Yes!

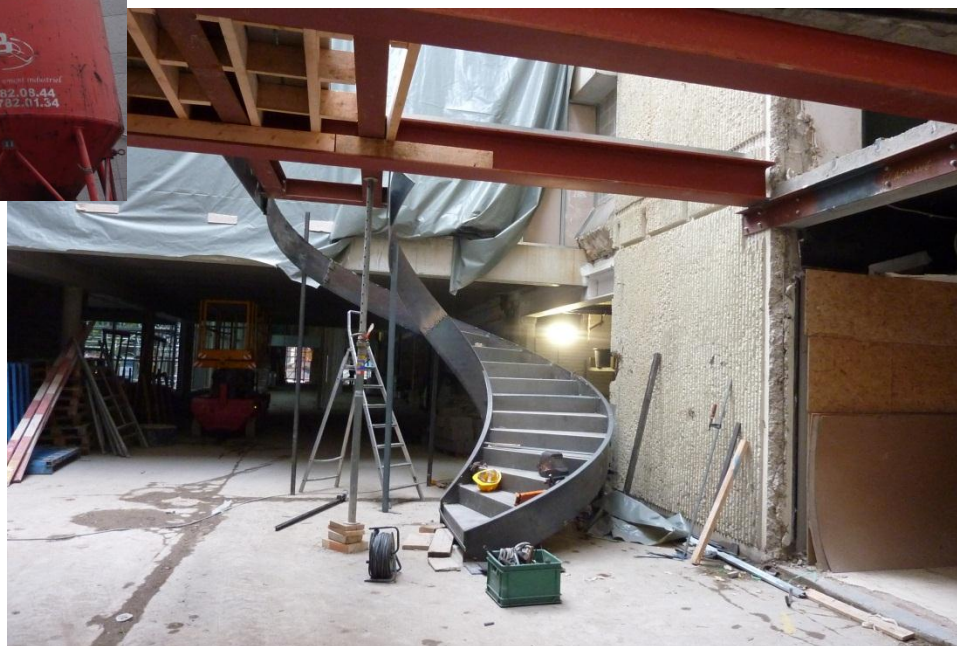
This Hotel is an Example

Offices and Mixed Use: 260 kWh/m²/year



Before

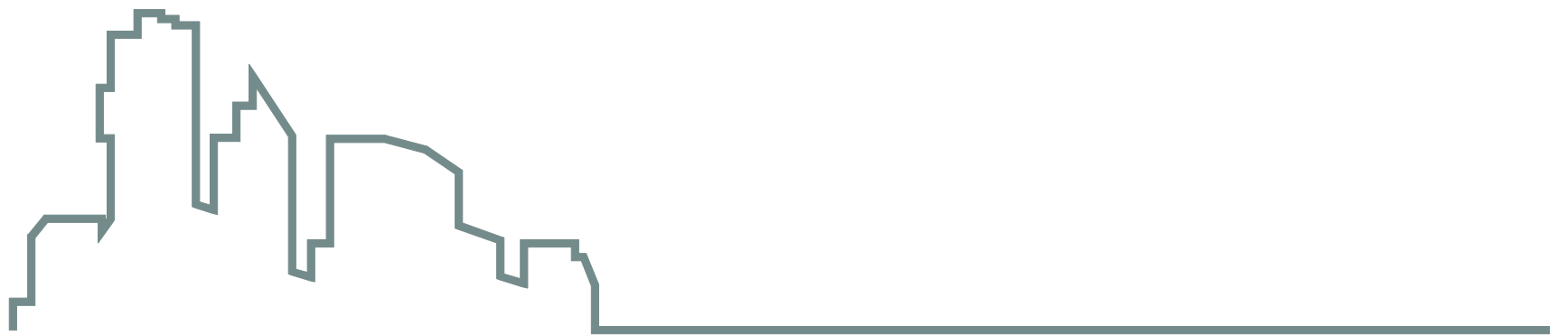
During Works



Hotel and Mixed Use: 60 kWh/m²/year



**A Factor 4
Improvement!**



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